



Application form for use of ESPAD Databases

Date: 30/01/14

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Are you an ESPAD Principal Investigator or Contact Person? Yes
 No

Which database(s) do you apply for? 2003

2007 (Non-ESPAD researchers from July 1, 2013)

2011 (Non-ESPAD researchers from July 1, 2015)

List of authors (preliminary):

Daniel Hale; Russell Viner

Working title of the project:

School-level variation in health outcomes across European countries.

Work Plan: (Please describe objectives, methods and specify the research question(s), maximum 250 words.)

Understanding of school-level variation in health outcomes is important as it informs the extent to which interventions on school-level factors may influence health, i.e. schools' capacity to promote health amongst students. Further, such data are essential for planning interventions in schools; for example, an estimate of school-level variation is needed to estimate power required for school-based cluster randomized trials. However, there has been little research into links between school-level factors and young people's health and no systematic study of school-level variation in adolescent health outcomes across countries.

The analyses are designed to investigate the extent to which variance in health outcomes are attributable to the school level across countries. We will use multilevel modelling to calculate Intraclass Correlations (ICCs) which give an indication of similarity between units clustered within the same higher-order group, in this case, students within schools. ICCs will be calculated for each health outcome in each country to give an indication of a) whether variance at the school level is significant for each health outcome, b) whether the school-level effects are consistent in size across health outcomes and c) whether there are differences across countries in the size of school-level variation in health outcomes. Health-related of interest include mental health, aggression/antisocial behaviour, substance use and suicide attempts/self-harm

Planned type of publication: Paper/article Report PhD
 Other, which:

Questions (see Questionnaire(s)) to be included in the analysis: (Please indicate the question numbers.)

As covariates:

- Question 1 (gender)
- Question 2 (year of birth)
- Question 5 (academic performance)
- Question 37 (father's education)
- Question 38 (mother's education)
- Question 39 (family affluence)
- Question O14 (self-rated academic performance)

Health outcomes

- Question 4a (missing school because of illness)
- Question 7 (lifetime cigarette smoking)
- Question 8 (last 30 day cigarette smoking)
- Question 9a & 9b (smoking initiation)
- Question 11a-c (occasions of alcohol consumption)
- Question 13 (occasion of last alcohol consumption)
- Question 18a-c (alcohol intoxication)
- Question 19a-f (alcohol initiation)
- Question 24a-c (marijuana use)
- Question 25 (marijuana initiation)
- Question 28a-c (ecstacy use)
- Question 29a-c (inhalant use)
- Question 30a-m (lifetime other drug use)
- Question 31a-d (drug use initiation)
- Question A4b & A4c (satisfaction with health and self)
- Question B1a-j (self-esteem)
- Question B2a-f (CES-D)
- Question B4a-j (antisocial behaviour)
- Question B5b and B5c (suicide/self-harm)
- Question C1a-h (aggression)
- Question C2a-h (victimization)
- Question O5 (last 30 days drinking)
- Question O6 (quantity of alcohol)
- Question O10 (moist snuff use)
- Question O11 (last 30 days moist snuff use)

We also require a variable which denotes school groupings.

Countries to be included in the analysis: All accessible countries

A more limited number of countries, namely:

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espad@can.se.

Non-ESPAD researchers should e-mail this document to an ESPAD Principal Investigator or Contact Person (see www.espad.org), who will forward it to the coordinators.